

BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

- Abbot, C. G.** Solar variation and forecasting. Washington. 1925. 27 p. figs. 24 $\frac{1}{2}$ cm. (Smith. misc. coll., v. 77, no. 5.)
- Becker, L.** Climatology of Glasgow. London. 1925. p. 51-144. figs. plates. 31 cm. (Met'l office. Geophys. mem., no. 23.)
- Bergeron, T., & Swoboda, G.** Wellen und Wirbel an einer quasistationären Grenzfläche über Europa. Leipzig. 1924. p. 63-172. illus. plates. 24 cm. (Veröff. Geophys. Inst. Univ. Leipzig. 2e Ser. Spezialarb. aus dem Geophys. Inst. Bd. 3, H. 2.)
- Bowie, E. H., & Joy, George C.** Humidity studies and predicting fire weather. p. 6-7. port. 33 $\frac{1}{2}$ cm. [Lumber world review, Dec. 25, 1924.]
- British empire exhibition, 1924.** Handbook to the exhibition of pure science. Arranged by the Royal society. Galleries 3 and 4 British government pavilion. n. p. n. d. 228 p. illus. 21 $\frac{1}{2}$ cm. [Contains articles on meteorological subjects by Gold and others.]
- Brooks, C. E. P.** Distribution of thunderstorms over the globe. London. 1925. p. 147-164. figs. plates. 31 cm. (Met'l office. Geophys. mem., no. 24.)
- Clayton, H. H.** Solar radiation and weather; or, Forecasting weather from observations of the sun. Washington. 1925. 64 p. figs. 24 $\frac{1}{2}$ cm. (Smith. misc. coll., v. 77, no. 6.)
- Greenburg, Leonard.** Studies on the industrial dust problem. no. 2. Review of the methods used for sampling aerial dust. Washington. 1925. 22 p. 23 $\frac{1}{2}$ cm. [Bibliography, p. 18-22.] (U. S. Pub. health serv., Pub. health reports. Repr. no. 1004. Apr. 17, 1925.)
- Heiskanen, W.** Die Vergleichung von zwei Ablesungsverfahren des Normalbarometers. Helsinki. 1924. 11 p. illus. 24 $\frac{1}{2}$ cm. (Mitteil. met. Zentralanst. des Finn. Staates. no. 13.)
- Hettner, Alfred.** Grundzüge der Länderkunde. 3. verb. Aufl. Leipzig. 1925. vii, 383 p. diagrs. maps (part fold.) 23 $\frac{1}{2}$ cm.
- Hoxmark, Guillermo.** Solar radiation and the weekly weather forecast of the Argentine meteorological service. Washington. 1925. vii, 23 p. figs. 24 $\frac{1}{2}$ cm. (Smith. misc. coll., v. 77, no. 7.)
- Hurst, H. E.** Short account of the Nile and its basin. Cairo. 1925. 19 p. map (fold.) 27 $\frac{1}{2}$ cm.
- Johansson, Osc. V.** Zu den absteigenden Strömungen in den neuen Zyklonen-Schemata von v. Ficker und Stüve. 8 p. 23 $\frac{1}{2}$ cm. (Soc. scient. Fennica. Comment. physico-math. T. 2, no. 6.)
- Kaiser, Franz.** Die Danziger leuchtenden Nachtwolken vom 20. und 21. Juni 1922. [Danzig. 1924.] p. 53-61. fig. 22 $\frac{1}{2}$ cm. [Schriften der naturforsch. Geselisch., Danzig. Neue Folge, Bd. 16, H. 2, 1923.]
- Kallio, Niilo.** Die Erstreckung des Gewitters nach dem Nord- und Südpol. 11 p. illus. 23 $\frac{1}{2}$ cm. (Soc. scient. Fennica. Comment. physico-math. T. 2, no. 10.)
- Köppen, W., & Wegener, A.** Die Klimate der geologischen Vorzeit. Berlin. 1924. iv, 255 p. figs. plate (fold.) 26 cm.
- Koerts, A.** Atmosphärische Störungen in der drahtlosen Nachrichtenübermittlung. Berlin. 1924. xi, 151 p. figs. 25 $\frac{1}{2}$ cm. [Die Hochfrequenztechnik in Einzeldarstellungen. Bd. 1.]
- Korhonen, W. W.** Niederschlagskarten aus Finnland. Helsinki. 1925. 19 p. charts. 24 $\frac{1}{2}$ cm. [Author, title and text in Finnish and German.]
- Kühn, Franz.** Fundamentos de fisiografía Argentina. Buenos Aires. 1922. ix, 217 p. plates. maps. diagrs. (fold.) 26 $\frac{1}{2}$ cm. [Climate, p. 162-177.]
- Loewy, A., & Dorno, C.** Über Haut- und Körpertemperaturen und ihre Beeinflussung durch physikalische Reize. p. 14-29. fig. 24 $\frac{1}{2}$ cm. (Inst. für Hochgebirgs-Physiologie und Tuberkuloseforschung in Davos.)
- Lunelund, Harald.** Über die Wärme- und Lichtstrahlung in Finland. 147 p. illus. 24 cm. (Soc. scient. Fennica. Comment. physico-math. T. 2, no. 11.)
- Marvin, Charles F., & Day, P. C.** Normals of daily temperature for the United States. Washington. 1925. ii, 87 p. charts. 30 cm. (Mon. wea. rev., suppl. no. 25.)
- Mississippi river commission.** Results of discharge observations, Mississippi river and its tributaries and outlets, 1838-1923. St. Louis. 1925. x, 336 p. plate (fold.) 23 $\frac{1}{2}$ cm.
- Mohorovičić, Stjepan.** Hydrodynamische Grundgleichungen für die turbulente Bewegung und ihre Anwendung bei der Bewegung im Kreisrohr. p. 68-74. fig. 27 cm. (Zeitschr. für tech. Physik, 6. Jahrg., Nr. 2, 1925.)
- Neumann, Hans.** Heinrich Wilhelm Dove. Eine Naturforscher-Biographie. Nach den Archivalien der Familie Dove und anderen Quellen. Liegnitz. 1925. 88 p. illus. plates. 24 cm.
- Newham, E. V.** Classification of synoptic charts for the North Atlantic for 1896-1910. London. 1925. p. 181-200. chart. 31 cm. (Met'l office. Geophys. mem., no. 26.)
- Olmstead, A. T.** Climate and history. [6 p.] 25 cm. [Journ. geogr., v. 10, Jan., 1912.]
- Palmén, Erik.** Zur Theorie der Zyklonenbahnen. 14 p. illus. 24 cm. (Soc. scient. Fennica. Comment. physico-math. T. 2, no. 3.)
- Pan-Pacific food conservation conference, Honolulu, 1920.** Sectional proceedings. Section on meteorology. p. 465-468. illus. port. 25 cm. [Proc. 1st Pan-Pacific food conserv. conf. Honolulu, July 31-Aug. 14, 1925.]
- Pennington, L. H.** Relation of weather conditions to the spread of white pine blister rust in the Pacific northwest. p. 593-607. figs. 24 $\frac{1}{2}$ cm. (Journ. agric. research, v. 30, no. 7, Apr. 1, 1925.)
- Preston, J. L., & Hall, E. L.** Study of the seasonal variation of radio-frequency phase difference of laminated phenolic insulating materials. Washington. 1925. p. 225-234. figs. 25 $\frac{1}{2}$ cm. (Technologic papers Bur. stand., no. 284.)
- Romerow, Eugeniuszowi.** Pokosie geograficzne. Lwów. 1925. viii, 348 p. illus. plates. port. 26 cm. [Rainfall, p. 89-150. Résumé in French.]
- Root, Clarence J.** Some problems of the weather man. p. 489-494. 23 cm. [School sci. & math., v. 25, no. 5, May, 1925.]
- Sen, Sachindra Nath.** Surface and geostrophic wind components at Deerness, Holyhead, Great Yarmouth and Scilly. London. 1925. p. 167-178. plates. 31 cm. (Met'l office. Geophys. mem., no. 25.)
- Summers, M. B., & Alexander, George W.** Special fire-weather warning service of the Weather Bureau, U. S. Department of agriculture. In co-operation with the western forestry and conservation association, the Washington forest fire association, the various county protective associations of Oregon, the forestry departments of Washington, Oregon and California, the United States forest service. Seattle. n. d. [4 p.] 23 cm.
- Toussoun, Omar.** Mémoire sur les anciennes branches du Nil. Epoque ancienne [et Arabe.] Le Caire. 1922. viii, 212 p. plates (fold.) 28 cm. [Contains a table of Nile stages for 835 years, p. 135-145.]
- Mémoire sur l'histoire du Nil. Le Caire. 1925. 3 v. plates (part fold.) 29 cm.**

Väistölinn, Vilho.

Die Sichtschätzungen am Observatorium Ilmala i. J. 1911–1920. 20 p. illus. 24 cm. (Soc. scient. Fennica. Comment. physico-math. T. 2, no. 18.)

Zur Berechnung der einfachen und doppelten Pilotvisierungen. Helsinki. 1925. 8 p. figs. 24½ cm. (Mitteil. met. Zentralanst. des Finn. Staates. no. 14.)

Visher, Stephen S.

Tropical cyclones and the dispersal of life from island to island in the Pacific. p. 70–78. 25½ cm. (Amer. naturalist, v. 59, Jan.–Feb., 1925.)

Wilson, Robert W., & Hersey, Mayo D.

Principles of long-distance air navigation. p. 841–884. figs. 22½ cm. [Repr.: Trans. Amer. soc. mech. eng., v. 45.]

Woolard, Edgar.

Halos. 7 p. figs. 25½ cm. (Repr.: Pop. astron., v. 28, no. 10, Dec., 1920.)

RECENT PAPERS BEARING ON METEOROLOGY

The following titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American meteorological society. Bulletin. Worcester, Mass. v. 6. 1925.

Brooks, Charles F., & Tripp, Frances V. Hydro-meteorology. p. 73–79. (May.)

Palmer, Andrew H. Recent developments in weather insurance. p. 65–73. (May.)

Woolard, Edgar W. The general problem of theoretical meteorology. p. 78–81. (May.)

Clark, C. C. The use of motion pictures in illustrating meteorological problems. p. 90–92. (June.)

Ecology. Brooklyn. v. 6. April, 1925.

Toumey, J. W., & Stickel, P. W. A new device for taking maximum and minimum soil temperatures in forest investigations. p. 171–178.

Visher, Stephen S[argent]. Tropical cyclones from an ecological viewpoint. p. 117–122.

Explosives engineer. Wilmington, Del. v. 3. July, 1925.

Vivian, C. H. Unlocking a snow-closed highway with explosives. p. 226–228.

France. Académie des sciences. Comptes rendus. Paris. t. 180. 1925.

Besson, Louis. La capacité pluviale du courant équatorial, facteur périodique du climat. p. 1356–1358. (4 mai.)

Vanderlinden, E. Sur un cas de foudroiement. p. 1767–1768. (8 juin.)

Franklin institute. Journal. Philadelphia.

Coblentz, W. W., & Lampland, C. O. Some measurements of the spectral components of planetary radiation and planetary temperatures. p. 785–841 (v. 199. June, 1925); p. 103–126 (v. 200. July, 1925.)

Geographical review. New York. v. 15. July, 1925.

Visher, Stephen Sargent. Rainfall conditions as handicaps to tropical development with special mention of Australia and the Pacific. p. 457–465.

Hemel en dampkring. Den Haag. 23 jaargang. Juni 1925.

Van Bemmelen, W. Recente beschouwingen omtrent de kosmische en terrestrische oorzaken der ikstijden. p. 145–156.

Hydrographic review. Mona.co. v. 2. November 1924.
[Parry, John F.] A great British hydrographer. Francis Beaufort. p. 143–146.**Időjárás. Budapest. v. 29. Március-aprilis 1925.**

Hille, Alfréd. Mennyit késik a repülögép állandó szél mellett oda-vissza? p. 47–51.

Marczell, György. A paláoklimatológia legújabb eredményeiről. p. 45–47.

Szolnoki, Imre. Hatással vannak-e a napfoltok a hőmérsékleti elterésekre? p. 55–56.

Réthly, Antal. Rendellenességek a hőmérséklet évi menetében Budapesten. p. 41–44.

Journal de physique et le radium. Paris. t. 6. Mars 1925.

Perot, A., & Baldet, F. Observation des explosions de la Courtine à l'observatoire de Meudon. p. 79–81.

Journal of scientific instruments. London. v. 2. June, 1925.

Ångstrom, A. A vacuum thermometer for measuring earth temperatures. p. 296–299.

Negretti & Zambra. A surveying barograph. p. 280–288.

Luftfahrt. Berlin. 29. Jahrgang. 1925.

Wigand, A. Windgeschwindigkeiten im Freiballon zum Problem des gelände-freien Segelflugs. p. 157–159. (Mai.)

Berson, A. Die Wetterberatung beim Rundflug 1925. p. 185–186. (Juni.)

Meteorologia pratica. Montecassino. Anno 6. Marzo-aprile 1925.

Bettini, Pio. La meteorologia nella sua origine e nel suo sviluppo. p. 50–57.

Gamba, Pericle. Sulla "legge dei rapporti delle pressioni a quote diverse." p. 45–49.

Maselli, Domenico. L'andamento meteorico agrario in terra di lavoro nell'anno 1924. p. 60–62.

Parignani, G. Gli eccezionali fenomeni meteorologici del gennaio 1925. p. 58–59.

Meteorological magazine. London. v. 60. June, 1925.

Brooks, C. E. P. Long period variations in the rainfall of Great Britain. p. 105–109.

Father Aloysius Laurence Cortie, S. J. p. 121. [Obituary.]

Harding, Charles. Are winters changing? p. 113–115.

S., G. C. The retirement of Dr. Chree. p. 120–121.

Nature. London. v. 116. July 18, 1925.

Bonacina, L. C. W. Meteorology in the Republic of Colombia. p. 115.

Cave, C. J. P. The sound of lightning. p. 98.

Nature. Paris. 58 année. 2 mai 1925.

Mascart, Jean. Sur la vitesse moyenne du vent. p. 276–277.

Naturwissenschaften. Berlin. 13. Jahrgang. 19. Juni 1925.

Vegard, L. Das Nordlicht und die höheren Atmosphärenschichten. p. 541–550.

Reale accademia dei Lincei. Atti. Roma. Rendiconti. v. (5)33, fasc. 12. 1924.

Oddone, Emilio. Lo smorzamento dell' aria nell' atmosfera. p. 562–566.

Red Cross courier. Washington, D. C. v. 4. August 1, 1925.

Talman, C. F. Taking stock of our tornadoes as a relief measure. p. 17–18.

Royal society of London. Proceedings. London. ser. A. v. 108. July, 1925.

McLennan, J. C., & Shrum, G. M. On the origin of the auroral green line 5577 Å, and other spectra associated with the aurora borealis. p. 501–512.

School science and mathematics. Chicago. v. 25. May, 1925.

Root, Clarence J. Some problems of the weather man. p. 489–494.

Scientific monthly. New York. v. 21. July, 1925.

Douglas, A. E. Tree rings and climate. p. 95–99.

Terrestrial magnetism and atmospheric electricity. Baltimore. v. 30. March, 1925.

Bauer, Louis A. Regarding atmospheric electricity and its relation with solar activity. p. 17–23.

Tuve, M. A., & Breit, G. Note on a radio method of estimating the height of the conducting layer. p. 15–16.

Tycos-Rochester. Rochester, N. Y. v. 15. July, 1925.

Talman, Charles Fitzhugh. Our many-sided Weather Bureau. p. 85–88; 98.

Van Cleef, Eugene. Do weather conditions influence radio? p. 89–92.

Winters, S. R. Atmospheric disturbances—their relation to radio communication. p. 96–98.

Winters, S. R. Long range weather forecasting. p. 104–106.